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PATENT ABSTRACTS OF JAPAN

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(71)Applicant: SONY CORP

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(72)Inventor: HORISHI MASARU

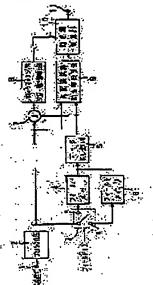
(54) MOTION QUANTITY DETECTOR AND MOTION QUANTITY DETECTION METHOD

(57) Abstract:

PURPOSE: To improve the accuracy of a motion quantity from accuracy of a motion quantity detected by using only the block

matching method.

CONSTITUTION: An adder 7 takes difference between picture data of one block in a field subject to block processing and picture data of a block in a search area in a field memory 4 or 5 storing picture data of a field different timewise from the field segmented sequentially by a data segmentation section 6 and the result is fed to a block matching method arithmetic operation motion quantity detection section 8. The detection section 8 calculates an optimum : evaluation value to detect a motion quantity in the unit of picture and elements and gives it to a motion quantity detection section 10. Moreover, the picture data of one block from the block processing section 2 and picture data of a block whose optimum value is calculated from the data segmentation section 6 are fed to a control of the calculated from the data segmentation section 6 are fed to a control of the calculated from the data segmentation section 6 are fed to a control of the calculated from the data segmentation section 6 are fed to a control of the calculated from the data segmentation section 6 are fed to a control of the calculated from the data segmentation section 6 are fed to a control of the calculated from the data segmentation section 6 are fed to a control of the calculated from the data segmentation section 6 are fed to a control of the calculated from the data segmentation section 6 are fed to a control of the calculated from the ca gradient method arithmetic operation motion detection section 9-invidence which the motion quantity in the unit of picture elements or below: is detected and the result is fed to a motion quantity detection in the contract of the contra section 10, in which a final motion quantity is calculated.



LEGAL STATUS

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